

This is your quasi-daily update on the 2023 ABoVE Airborne Campaign

Sunday 16 July 2023

Chip Miller is in California.

Peter Griffith is in Fairbanks.

NASA ABoVE will conduct coordinated airborne and fieldwork in 2023. AVIRIS flights will be flown in Alaska and Canada during the months of July and August. Flights have been planned in coordination with NASA-funded investigators, PIs of affiliated projects, and representatives of Partner Organizations. The L-band SAR and G-LiHT instruments are planned to fly in 2024. ABoVE will coordinate with the AWI Perma-X Flight Campaign and [NEON AOP](#) teams. More information may be found on the summary page for the [ABoVE 2023 Airborne Campaign](#)

Sensor/Aircraft Summaries and Look Ahead

AVIRIS-3 (Dynamic Aviation B-200 [N53W](#))

July 16: First science flight from Fairbanks. The weather forecast delivered clear skies around the region between Whitehorse and Kluane Lake.

July 17: Weather looks good to fly the lines around Fairbanks.

Priorities for 2023 include:

- Barrow/Atqasuk/Ivotuk
- Deadhorse area
- Seward Peninsula/Kotzebue
- Fairbanks areas of interest, incl diurnal sampling of DJ/BNZ/CPCRW towers (2 sorties on same day)
- Whitehorse area (mostly done on 16 July)
- Herschel Island mapping (northern YT, refuel in Deadhorse)

Perma-X Flight Campaign ([AWI Polar 6](#))

The second weekly report for the Perma-X 2023 airborne campaign with AWI Polar-6 based out of Inuvik, NW Canada, is posted to the ABoVE Airborne page. The report now has their first flights covered and an overview map of the flight paths to date. It appears they made a science flight on 15 July.

NEON Airborne Observation Platform #1

NEON will base their [AOP Payload 1](#) in Fairbanks Alaska, **13 July to 21 August**, 2023, to fly NEON Domain 18. If you are interested in tracking NEON's 2023 season, [sign up to receive daily flight report emails by NEON Domain](#) or visit their [flight report archive](#). Please note, you will only receive emails during the time the AOP is in the Domain you have signed up to follow.

Weather Forecast: ABoVE Domain

July 16: Forecast is for relatively clear skies over the region between Dawson City and Whitehorse of Yukon.

July 17: Forecasted clearing around Fairbanks.

Fire activity

July 16: There are [19 active fires](#) total in the entire state, [putting the fire season on track to a record low start](#). If the [BLM fire outlook holds](#), fire potential in July and August may remain low. Alaska firejumpers have been dispatched to Canada to help with the record-shattering number of wildfires.

There are numerous active fires in Northwest Territories having significant impact on air quality in areas of flight interest around Great Slave Lake and Scotty Creek, sometimes reaching as far north as Inuvik. [Canadian FireSmoke Forecasts](#)

BBQ Forecast

Friends in Fairbanks are invited to join me, the AVIRIS crew, and the J. Watts and K. Miner teams **Monday 17 July** at the ABoVE logistics office beginning 18:00 AK. I will be grilling moose burgers, moose sausages, and salmon, all harvested for our dining pleasure by Tom Douglas. And as promised I'll have beyond burgers on hand. Please bring something to drink and a dish to share. Because of the construction on University, come from the south, and turn right into Alaska Auto Rentals.

If you do not wish to receive the daily airborne briefing, you may unsubscribe at any time by sending an email to support@cce.nasa.gov with "Unsubscribe Airborne Daily" as the subject.